

Amendments to the Specification

One page 6:

a1
Fig. 1B. hTid-1_L and hTid-1_S are splice variants of *TID1*. hTid-1_L mRNA encodes a protein with a predicted molecular mass of 52 kDa, which is cleaved at its amino terminus to form hTid-1_L. Mature hTid-1_L migrates with an apparent molecular mass of 43 kDa on SDS/PAGE. hTid-1_S is encoded by an mRNA in which an exon encoding the carboxyl-terminal 33 aa (SEQ ID NO: 22) of hTid-1_L is removed and replaced with an exon from the 3'-untranslated region of hTid-1_L mRNA, which encodes 6 aa and a stop codon (SEQ ID NO: 23). hTid-1_S mRNA encodes a protein with a predicted molecular weight of 49.5 kDa, which is cleaved at its amino terminus to form hTid-1_S. Mature hTid-1_S migrates with an apparent molecular mass of 40 kDa on SDS/PAGE. Both hTid-1_L and hTid-1_S have a consensus mitochondrial cleavage site at amino acid position 66.

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Fig. 5 shows the nucleotide sequence encoding the long (SEQ ID NO: 2) and the short form (SEQ ID NO: 3) of the human Tid1 protein.

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Fig. 6A. mTid-1_L (SEQ ID NO: 25) and mTid-1_S (SEQ ID NO: 27) are murine homologs of hTid-1_L (SEQ ID NO: 24) and hTid-1_S (SEQ ID NO: 26). Amino acid sequence alignment of hTid-1_L and hTid-1_S with the homologous murine sequences deduced from mouse EST sequences.

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Fig. 10 shows the amino acid sequences of the mouse Tid-1L (SEQ ID NO: 28) and Tid-1S (SEQ ID NO: 29) proteins. "Xs" represent unknown amino acids.